

Techmer ES Plastiblend® PC/ABS 720 BK

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced , Polycarbonate (PC)

Material Notes:

Availability: North America Forms: Pellets Appearance: Black Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Plastiblend-PCABS-720-BK.php

Physical Properties	Metric	English	Comments
Density	1.21 g/cc	0.0437 lb/in ³	ASTM D792
Water Absorption	0.10 % @Time 86400 sec	0.10 % @Time 24.0 hour	ASTM D570
Melt Flow	1.5 g/10 min @Load 3.80 kg, Temperature 230 °C	1.5 g/10 min @Load 8.38 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	115	115	ASTM D785
Tensile Strength, Yield	53.1 MPa	7700 psi	ASTM D638
Elongation at Break	110 %	110 %	ASTM D638
Flexural Yield Strength	98.6 MPa	14300 psi	ASTM D790
Flexural Modulus	2.62 GPa	380 ksi	ASTM D790
Izod Impact, Notched	1.01 J/cm @Thickness 3.17 mm, Temperature -28.9 °C	1.90 ft-lb/in @Thickness 0.125 in, Temperature -20.0 °F	ASTM D256
	4.27 J/cm @Thickness 3.17 mm, Temperature 22.8 °C	8.00 ft-lb/in @Thickness 0.125 in, Temperature 73.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	63.0 µm/m-°C	35.0 µin/in-°F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	135 °C	275 °F	Unannealed; ASTM D648
Flammability, UL94	HB	HB	

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